

PROCESS FOR IGNITING COMBUSTION OF FUEL IN THE COMBUSTION CHAMBER OF AN ENGINE, ASSOCIATED DEVICE AND ENGINE

Abstract of the Disclosure

A method ignites the combustion of fuel in a combustion chamber (5) of engine (2), by introducing microwave radiation into the combustion chamber (5). The microwave radiation is produced in a microwave source (7) on the outside of the combustion chamber (5). The introduced microwave radiation is absorbed by the fuel distributed in the combustion chamber (5). The supply of energy, in the fuel, arising from absorption, distributes combustion in a large-volume in the combustion chamber (5), preferably in the entire combustion chamber (5) and in a homogenous manner, and is essentially simultaneously ignited. An associated ignition device (1) and an associated engine (2) are also provided.